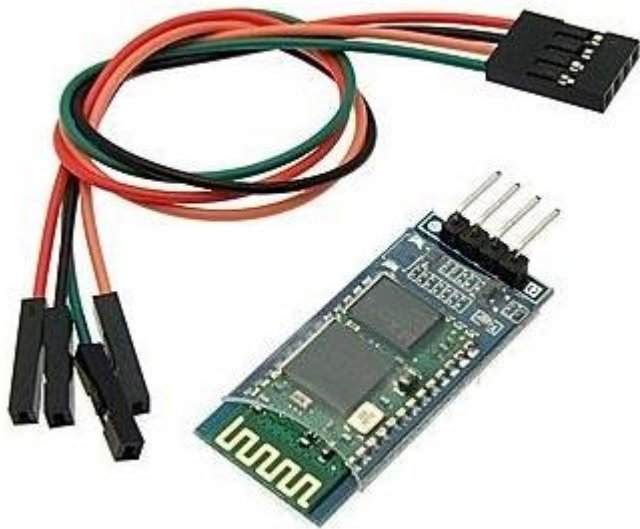


Bluetooth HC-06 transmission

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The new version of the Bluetooth module is sold with DuPont line and module heat shrinkable tube for free. The ON/OFF/WAKE pins on the module are default enable pins, when they are externally pulled high (the voltage signal is not less than $VCC-0.5V$), the power supply module is cut off and it can be research by external MCU output high level control module. STATE is the output pins in the LED state, output pulse without connection and after connection it output high level, and this can be judged by the MCU state, welcome to buy! The module power input has anti - Anti - function, and if the power is not connected in contrast, the back circuit will not be powered.

Bluetooth transmission module can let the serial device you used get rid of the shackles of cable to achieve the wireless serial communication in the 10 meters. The use of the module without understanding the complexity of the underlying Bluetooth protocol, as long as a few steps you can enjoy the convenience of wireless communication. Bluetooth transmission module has only four AT commands, such as communications test, name changing, baud rate changing, pairing password changing. AT commands must be set via TXD, RXD signal pins, not via Bluetooth channel set. The equipment sending all commands can be various types of MCU (such as 51, AVR, PIC and MSP430, arm, and so on) and it also can be sent by computer via the serial ports (after PC serial port connecting MAX232) or USB serial port !

Special attention: 1. The host module and the slave module can not be switched into each other; can only be a single working mode (Master or slave).

2. The host module can only be matched with the HC06; the host modules can be not matched with each other; and the host module can be not matched with the computer or mobile phone with bluetooth or other Bluetooth equipment

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3. The slave module can be matched with the computer or mobile phone with Bluetooth but the slave modules can be matched with each other. If your computer doesn't have a Bluetooth adapter, you can buy the bluetooth adapter form us.

4. The AT commands of host module lack the AT+NAME command than slave modules.

5. Both host module and slave module interface are 3.3V level, and they can directly connected with all kinds of TTL levels, if with serial MCU (5V MCU connected to the 1k resistor in series) please connect directly. You can set parameters with MCU or our USB serial, or via increasing computer serial ports after MAX232 switching circuit.

Small common sense:

TXD: Sending end, generally expressed as their own sending end; connected to another device RXD in normal communication.

RXD: Receiving end, generally expressed as their own receiving end; connected to another device RXD in normal communication.

RXD of the device always is connected to Itself TXD in normal communication!

Sending and receiving by itself : as the name suggests, it is to receive their own data sent, that is itself TXD received its own RXD, and used to test its own sending and receiving is normal. Also known as the loopback test.

Because the Bluetooth core board is not convenient wiring, so we welded it to the bottom board; The bottom plate is 3.3V LDO, in order to facilitate it demolished conveniently, only weld with useful pinout to leads out VCC, GND, TXD, RXD (TXD, RXD is 3.3V) for convenient wiring; the on the module is the button for researching, and ON/OFF/WAKE pins is the button leading pins. STATE is the output pins in the LED state, output pulse without connection and after connection it output high level, and the state can be judged by the MCU. The module can be connected to the microcontroller, USB serial ports etc., Input Voltage is 3.6~6V , (5V commanded and not exceed 7V).

Module size: 40*15.5 (mm)